Transistors Panasonic

2SC6036G

Silicon NPN epitaxial planar type

For general amplification Complementary to 2SA2162G

■ Features

- ullet Low collector-emitter saturation voltage $V_{\text{CE(sat)}}$
- SSS-Mini type package, allowing downsizing of the equipment and automatic insertion through the tape packing

■ Absolute Maximum Ratings $T_a = 25$ °C

Parameter	Symbol	Rating	Unit	
Collector-base voltage (Emitter open)	V _{CBO}	15	V	
Collector-emitter voltage (Base open)	V _{CEO}	12	V	
Emitter-base voltage (Collector open)	V _{EBO}	5	V	
Collector current	I_{C}	500	mA	
Peak collector current	I _{CP}	1	A	
Collector power dissipation	P _C	100	mW	
Junction temperature	T _j	125	°C	
Storage temperature	T _{stg}	-55 to +125	°C	

■ Package

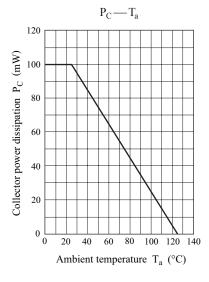
- Code
- SSSMini3-F2
- Marking Symbol: 4U
- Pin Name
 - 1: Base
 - 2: Emitter
 - 3: Collector

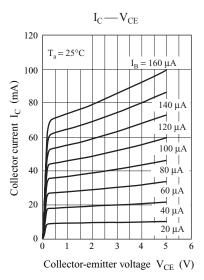
■ Electrical Characteristics $T_a = 25$ °C±3°C

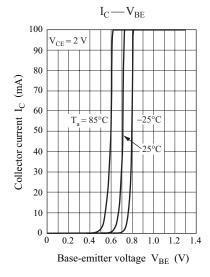
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Collector-base voltage (Emitter open)	V _{CBO}	$I_{\rm C} = 10 \ \mu A, I_{\rm E} = 0$	15			V
Collector-emitter voltage (Base open)	V _{CEO}	$I_{\rm C} = 1 \text{ mA}, I_{\rm B} = 0$	12			V
Emitter-base voltage (Collector open)	V_{EBO}	$I_E = 10 \mu A, I_C = 0$	5			V
Collector-base cutoff current (Emitter open)	I_{CBO}	$V_{CB} = 10 \text{ V}, I_{E} = 0$			0.1	μΑ
Forward current transfer ratio	h _{FE}	$V_{CE} = 2 \text{ V}, I_{C} = 10 \text{ mA}$	270		680	_
Collector-emitter saturation voltage	V _{CE(sat)}	$I_C = 200 \text{ mA}, I_B = 10 \text{ mA}$			250	mV
Transition frequency	f_T	$V_{CB} = 2 \text{ V}, I_E = -10 \text{ mA}, f = 200 \text{ MHz}$		200		MHz
Collector output capacitance (Common base, input open circuited)	C _{ob}	V _{CB} = 10 V, f = 1 MHz		4.5		pF

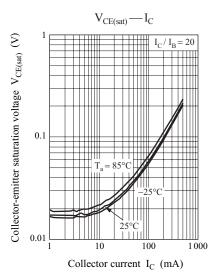
Note) Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7030 measuring methods for transistors.

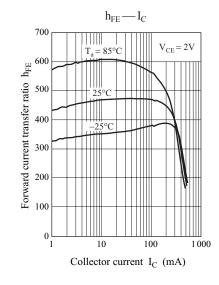
2SC6036G Panasonic

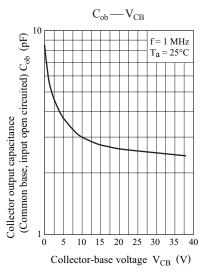








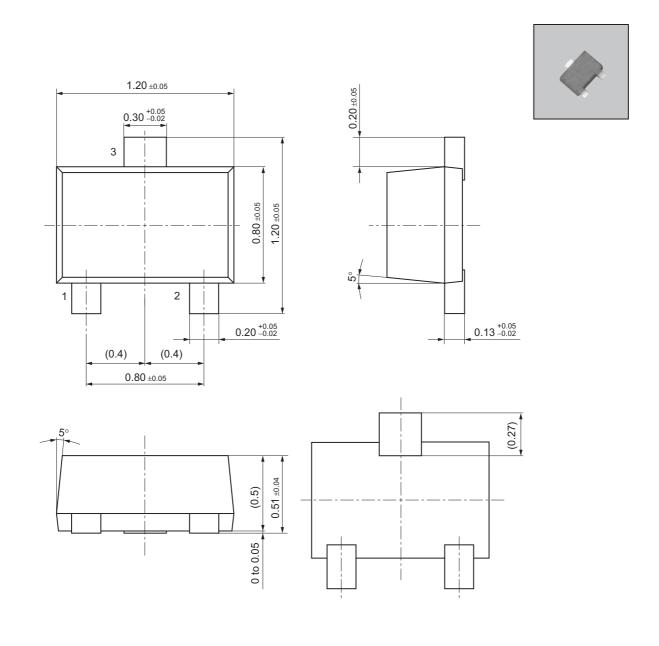




2 SJC00402AED

SSSMini3-F2

Unit: mm



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